

ENTERED

12/6/00

RAW SEQUENCE LISTING                      DATE: 12/06/2000  
 PATENT APPLICATION: US/09/716,395        TIME: 14:46:53

Input Set : A:\6752US01 SEQ LISTING.TXT  
 Output Set: N:\CRF3\12062000\I716395.raw

```

61 <213> ORGANISM: Homo sapiens
63 <400> SEQUENCE: 3
64 Met Ala His Ala Gly Arg Thr Gly Tyr Asp Asn Arg Glu Ile Val Met
65 1 5 10 15
66 Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
67 20 25 30
68 Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
69 35 40 45
70 Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
71 50 55 60
72 Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
73 65 70 75 80
74 Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Ala
75 85 90 95
76 Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Gly Asp Phe
77 100 105 110
78 Ala Glu Met Ser Ser Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
79 115 120 125
80 Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
81 130 135 140
82 Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
83 145 150 155 160
84 Ser Val Asn Arg Gln Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
85 165 170 175
86 Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
87 180 185 190
88 Gly Gly Trp Asp Ala Phe Val Glu Leu Tyr Gly Pro Ser Met Arg Pro
89 195 200 205
90 Leu Phe Asp Phe Ser Trp Leu Ser Leu Lys Thr Leu Leu Ser Leu Ala
91 210 215 220
92 Leu Val Gly Ala Cys Ile Thr Leu Gly Ala Tyr Leu Gly His Lys
93 225 230 235
96 <210> SEQ ID NO: 4
97 <211> LENGTH: 239
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
101 <400> SEQUENCE: 4
102 Met Ala His Ala Gly Arg Thr Gly Tyr Asp Asn Arg Glu Ile Val Met
103 1 5 10 15
104 Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
105 20 25 30
106 Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
107 35 40 45
108 Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
109 50 55 60
110 Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
111 65 70 75 80
112 Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Thr
113 85 90 95

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```

114 Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Arg Asp Phe
115          100          105          110
116 Ala Glu Met Ser Ser Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
117          115          120          125
118 Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
119          130          135          140
120 Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
121 145          150          155          160
122 Ser Val Asn Arg Glu Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
123          165          170          175
124 Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
125          180          185          190
126 Gly Gly Trp Asp Ala Phe Val Glu Leu Tyr Gly Pro Ser Met Arg Pro
127          195          200          205
128 Leu Phe Asp Phe Ser Trp Leu Ser Leu Lys Thr Leu Leu Ser Leu Ala
129          210          215          220
130 Leu Val Gly Ala Cys Ile Thr Leu Gly Ala Tyr Leu Gly His Lys
131 225          230          235
134 <210> SEQ ID NO: 5
135 <211> LENGTH: 239
136 <212> TYPE: PRT
137 <213> ORGANISM: Homo sapiens
139 <400> SEQUENCE: 5
140 Met Ala His Ala Gly Arg Thr Gly Tyr Asp Asn Arg Glu Ile Val Met
141 1          5          10          15
142 Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
143          20          25          30
144 Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Gly Phe
145          35          40          45
146 Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
147          50          55          60
148 Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
149 65          70          75          80
150 Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Thr
151          85          90          95
152 Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Arg Asp Phe
153          100          105          110
154 Ala Glu Met Ser Ser Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
155          115          120          125
156 Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
157          130          135          140
158 Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
159 145          150          155          160
160 Ser Val Asn Arg Glu Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
161          165          170          175
162 Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
163          180          185          190
164 Gly Gly Trp Asp Ala Phe Val Glu Leu Tyr Gly Pro Ser Met Arg Pro
165          195          200          205

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```

166 Leu Phe Asp Phe Ser Trp Leu Ser Leu Lys Thr Leu Leu Ser Leu Ala
167      210      215      220
168 Leu Val Gly Ala Cys Ile Thr Leu Gly Ala Tyr Leu Gly His Lys
169 225      230      235
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 237
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 6
178 Met Ser Met Ala Met Ser Gln Ser Asn Arg Glu Leu Val Val Asp Phe
179 1      5      10      15
180 Leu Ser Tyr Lys Leu Ser Gln Lys Gly Tyr Ser Trp Ser Gln Phe Ser
181      20      25      30
182 Asp Val Glu Glu Asn Arg Thr Gln Ala Pro Glu Glu Thr Glu Ser Glu
183      35      40      45
184 Met Glu Thr Pro Ser Ala Ile Asn Gly Asn Pro Ser Trp His Leu Ala
185      50      55      60
186 Asp Ser Pro Ala Val Asn Gly Ala Thr Gly His Ser Ser Ser Leu Asp
187 65      70      75      80
188 Ala Arg Glu Val Ile Pro Met Ala Ala Val Lys Gln Ala Leu Arg Glu
189      85      90      95
190 Ala Gly Asp Glu Phe Glu Leu Arg Tyr Arg Arg Ala Phe Ser Asp Leu
191      100     105     110
192 Thr Ser Gln Leu His Ile Thr Pro Gly Thr Ala Tyr Glu Ser Phe Glu
193      115     120     125
194 Gln Val Val Asn Glu Leu Phe Arg Asp Gly Val Asn Trp Gly Arg Ile
195      130     135     140
196 Val Ala Phe Phe Ser Phe Gly Gly Ala Leu Cys Val Glu Ser Val Asp
197 145     150     155     160
198 Lys Glu Met Gln Val Leu Val Ser Arg Ile Ala Ala Trp Met Ala Thr
199      165     170     175
200 Tyr Leu Asn Asp His Leu Glu Pro Trp Ile Gln Glu Asn Gly Gly Trp
201      180     185     190
202 Asp Thr Phe Val Glu Leu Tyr Gly Asn Asn Ala Ala Ala Glu Ser Arg
203      195     200     205
204 Lys Gly Gln Glu Arg Phe Asn Arg Trp Phe Leu Thr Gly Met Thr Val
205      210     215     220
206 Ala Gly Val Val Leu Leu Gly Ser Leu Phe Ser Arg Lys
207 225     230     235
210 <210> SEQ ID NO: 7
211 <211> LENGTH: 43
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: primer
218 <400> SEQUENCE: 7
219 cactcaccat atggctcacg ctgggagaaac ggggtacgac aac
221 <210> SEQ ID NO: 8
222 <211> LENGTH: 43

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```

223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: primer
229 <400> SEQUENCE: 8
230 gcgagctctc gagcttcaga gacagccagg agaaatcaaa cag      43
232 <210> SEQ ID NO: 9
233 <211> LENGTH: 48
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: primer
240 <400> SEQUENCE: 9
241 gcccagaag ggactgaatc ggaggtggtc cacctgcccc tccgcca      48
243 <210> SEQ ID NO: 10
244 <211> LENGTH: 48
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: primer
251 <400> SEQUENCE: 10
252 ctcaagtaagg ttctcttcca catcatctcc cgcateccac tegtagec      48
254 <210> SEQ ID NO: 11
255 <211> LENGTH: 43
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: primer
262 <400> SEQUENCE: 11
263 cactcaccat atggctcacg ctgggagaaac ggggtacgac aac      43
265 <210> SEQ ID NO: 12
266 <211> LENGTH: 50
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: primer
273 <400> SEQUENCE: 12
274 gcgaagctct cgagctatca atcaaacaga gccgcgatgc tggggccgta      50
276 <210> SEQ ID NO: 13
277 <211> LENGTH: 31
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: primer
284 <400> SEQUENCE: 13
285 gaggtggtcc acctgacct ccyccaagcc g      31
287 <210> SEQ ID NO: 14
288 <211> LENGTH: 31
289 <212> TYPE: DNA

```

VERIFICATION SUMMARY

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TIME: 14:46:54

Input Set : A:\6752US01 SEQ LISTING.TXT

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date